



Mouse IFNG peptide (DAG334)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant Mouse Ifng is a single non-glycosylated polypeptide chain containing 134 amino acids and having a molecular weight of 15,601 Da. The sequence of the first five N-terminal amino acids was determined to be Met-His-Gly-Thr-Val.
Antigen Description	Interferon-gamma (IFN-γ) is a dimerized soluble cytokine that is the only member of the type I class of interferons. This interferon was originally called macrophage-activating factor, a term now used to describe a larger family of proteins to which IFN-γ belongs. In humans, the IFN-γ protein is encoded by the IFNG gene.
Species	Mouse
Conjugate	Unconjugated
Applications	Specific activity as determined by the cytopathic effect inhibition assay with mouse NIH 3T3 cells challenged with EMC virus was and it; 0.1 ng/ml, corresponding to a specific activity of 1 x 10 ⁷ Units/mg. Each laboratory should determine an optimum working tit
Format	Purified, Lyophilized; Reconstitute using sterile deionized water to a concentration 100 μg/ml. Further dilutions can be made in other aqueous buffers.
Concentration	1 mg/ml (OD _{280nm}) (prior to lyophilization)
Buffer	Lyophilized from PBS, pH 7.4
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction Produced by lymphocytes activated by specific antigens or mitogens. IFN-gamma, in addition to

having antiviral activity, has important immunoregulatory functions. It is a potent activator of macrophages, it has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons.

Keywords

IFG; IFI; IFNG; IFN Gamma; IFN Immune; IFN-gamma; Immune Interferon; Interferon gamma; Interferon Gamma Precursor; Macrophage Activating Factor; MAF; T Cell Interferon; Type II Interferon

GENE INFORMATION

Entrez Gene ID

[3458](#)

UniProt ID

[P01579](#)
